



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh) and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Tuesday, September 5, 2017  
Issued: 0800 CT

***Day 1 Hazards: Major Flooding continues across SE TX/SW LA.***

***Showers/thunderstorms moving south today along a cold front across portions of TX, AR & LA.***

**National Weather Service**

***Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX***



**Prepared by: Jennifer McNatt  
682-703-3747**

# Key Points



## Today

- Showers/thunderstorms moving south along a cold front across portions of TX, AR & LA
  - Severe weather and/or heavy rainfall is generally not expected although some isolated heavy rain is possible over NE TX, N LA and S AR
- Major river flooding continues across portions of SE TX & SW LA

## Wednesday - Saturday

- Major river flooding continues across parts of SE TX/SW LA
- No other significant weather impacts expected

## Tropical Weather Outlook

- Hurricane Irma is a Category 5 storm about 270 miles east of the Leeward Islands and moving W at 14mph. Irma is expected to move just north of Cuba this weekend and then shift to the north early next week; low confidence in the extended track
- A broad area of low pressure located about 1000 miles WSW of the Cabo Verde Islands is gradually becoming better organized, and a tropical depression or tropical storm will likely form within the next few days while the system moves WNW.
- A trough of low pressure over the SW Gulf is likely to become a tropical depression during the next couple of days as it meanders over the SW Gulf. Impacts to FEMA Region 6 should be minimal as rain mostly stays south of Deep S TX.

# FEMA Region 6 Threat Matrix

Sep 5, 2017 - Sep 9, 2017

	TUE	WED	THU	FRI	SAT
Severe Weather					
Heavy Rain / Flash Flooding	NE TX, S AR, N LA				
Heat					
River Flooding	SE TX, SW LA	SE TX, SW LA	SE TX, SW LA	SE TX, SW LA	SE TX, SW LA
Tropical Weather					

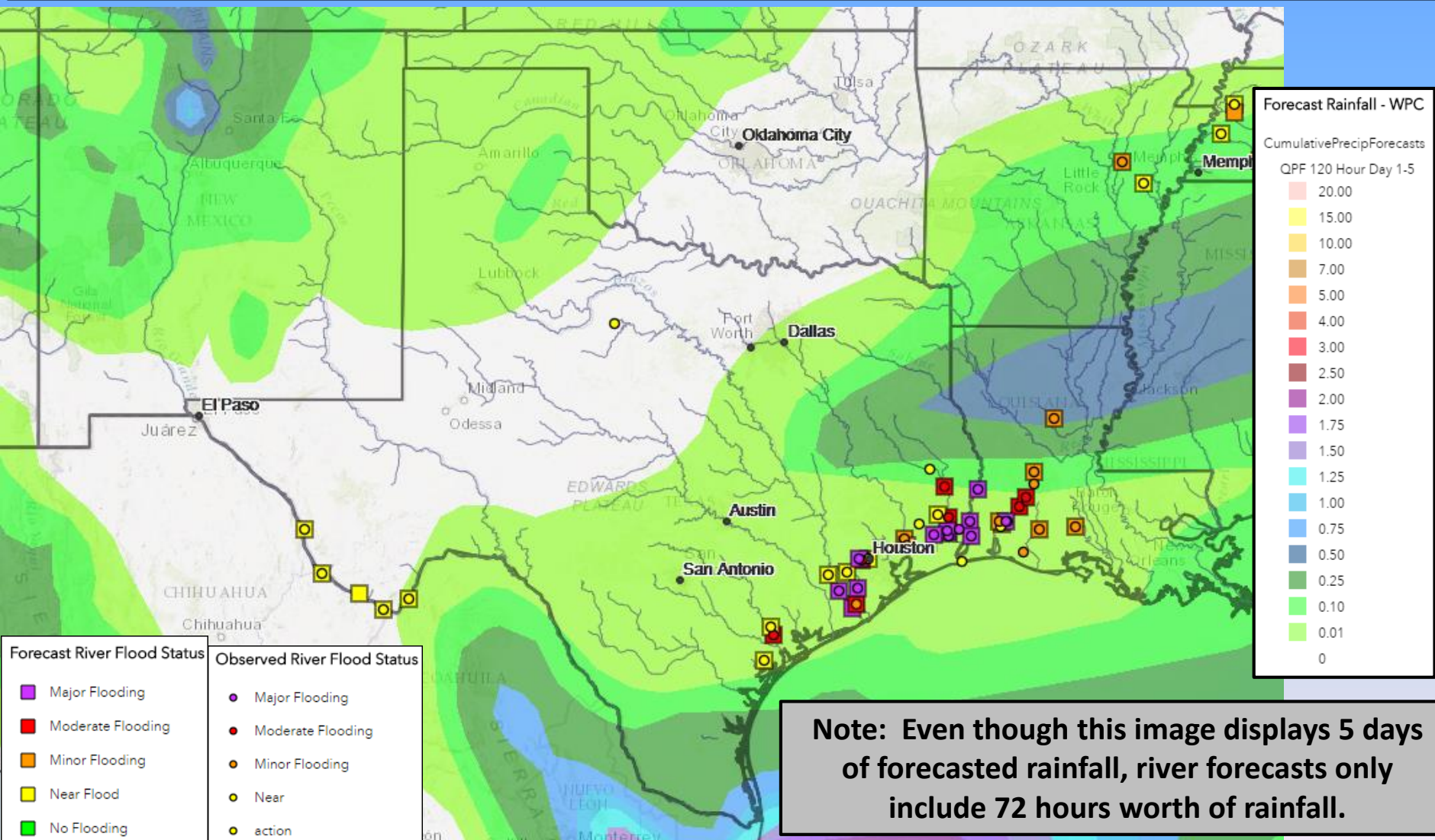
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# 5-Day Precipitation Forecast & River Flood Status

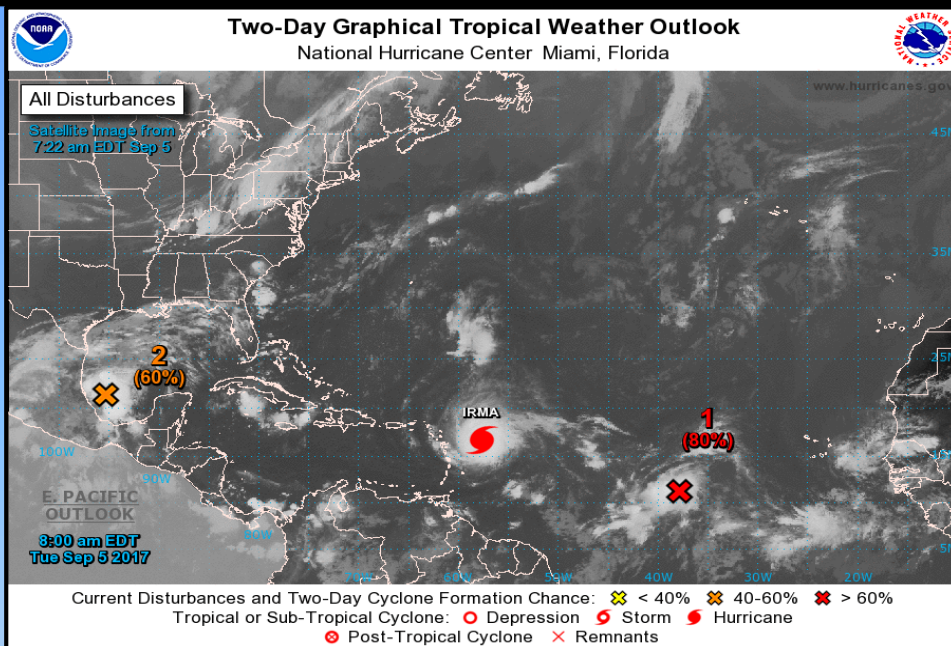
Major (record) river flooding continues across parts of SE TX and SW LA.



For the latest on river flooding: <http://water.weather.gov/ahps>



# Tropical Weather Outlook



Hurricane Irma is about 270 miles E of the Leeward Islands and is moving W at 14mph.

Maximum sustained winds are 175 mph, which makes Irma a Category 5 (Major) Hurricane.

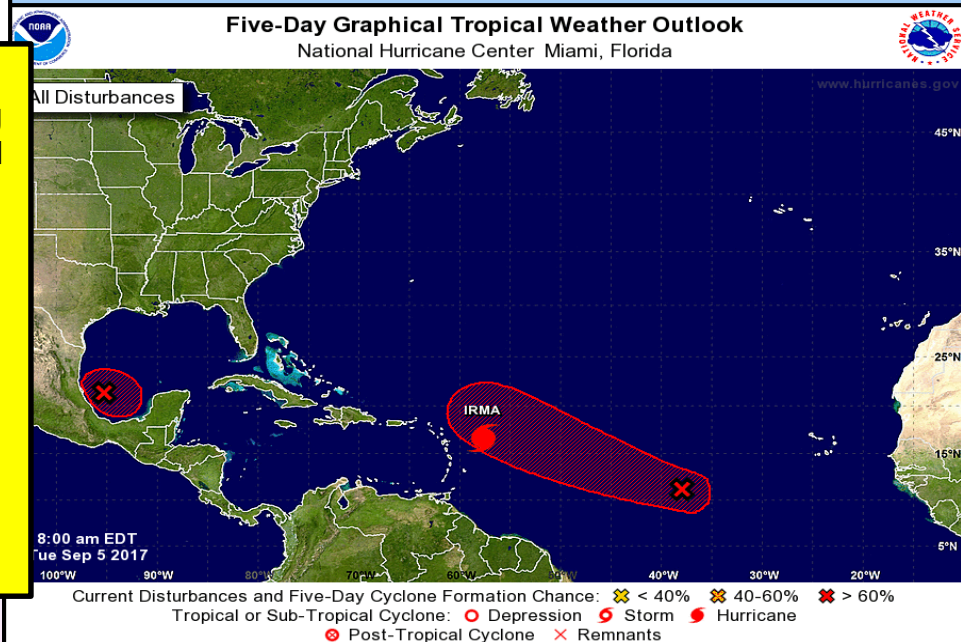
See next slide for more details on Hurricane Irma.

1. Showers and storms are becoming better organized. Satellite data indicates that this system is already producing winds near tropical storm force. There is a strong likelihood that a tropical depression or tropical storm will form within the next few days while the disturbance moves W-NW at 10-15mph over the tropical Atlantic Ocean.

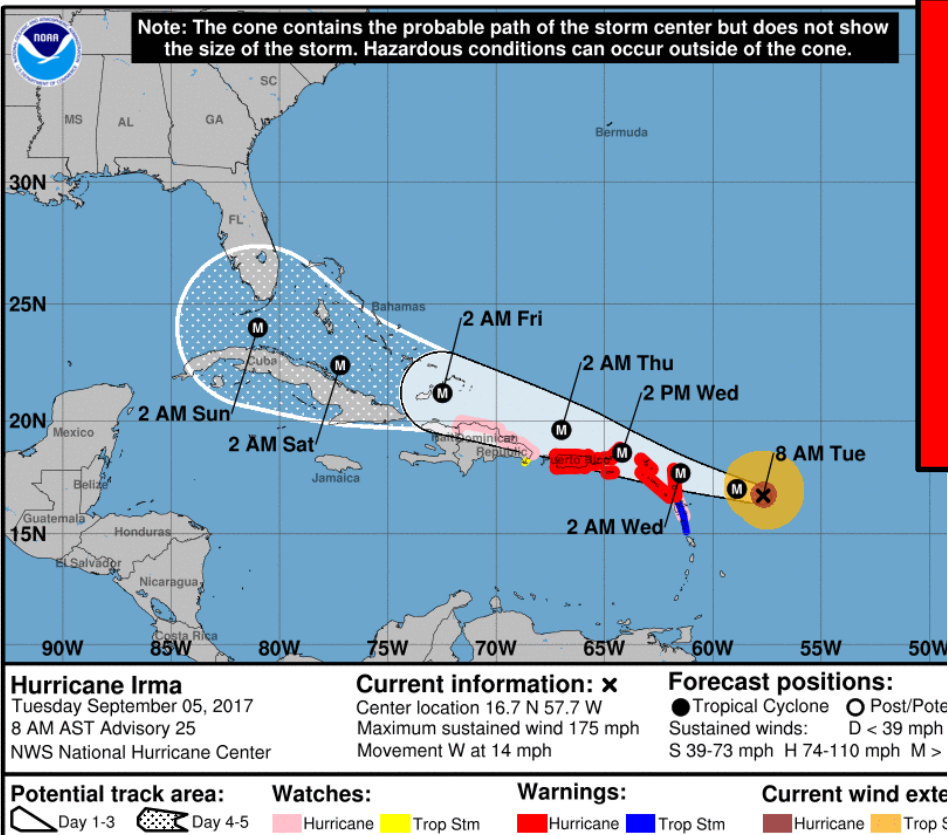
- \* Formation chance through 48 hours...medium...60 percent.
- Formation chance through 5 days...high...90 percent.

2. A trough of low pressure located over the SW Gulf of Mexico is likely to become a tropical depression during the next couple of days while it meanders over the SW Gulf.

- \* Formation chance through 48 hours...medium...60 percent.
- \* Formation chance through 5 days...medium...70 percent.

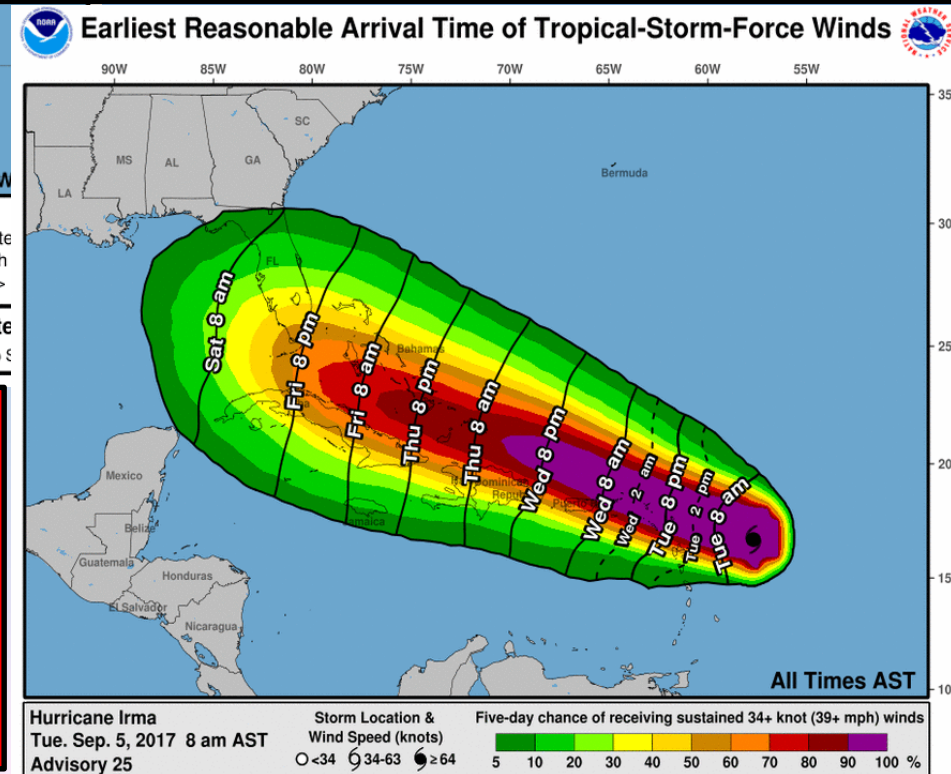


# Hurricane Irma



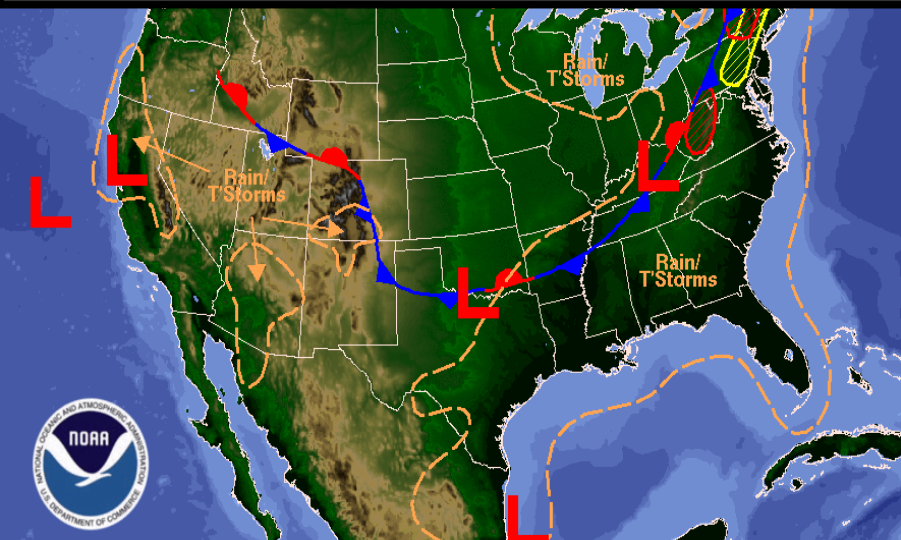
Tropical Storm force winds are expected to begin in the Leeward Islands later today.

There is increasing chance of seeing impacts from Irma in the FL Peninsula and the FL Keys later this week and this weekend (see graphic below for wind speed probabilities and earliest reasonable time of arrival graphic). Otherwise, it is still too early to determine what direct impacts Irma might have on the CONUS.



All environmental factors suggest that Irma will at least maintain its intensity for the entire 5-day forecast period, if not strengthen gradually. It's important to not focus on the exact forecast track since strong winds and heavy rainfall extend well away from the center. In addition, average NHC track errors are about 175 and 225 statute miles at days 4 and 5, respectively.

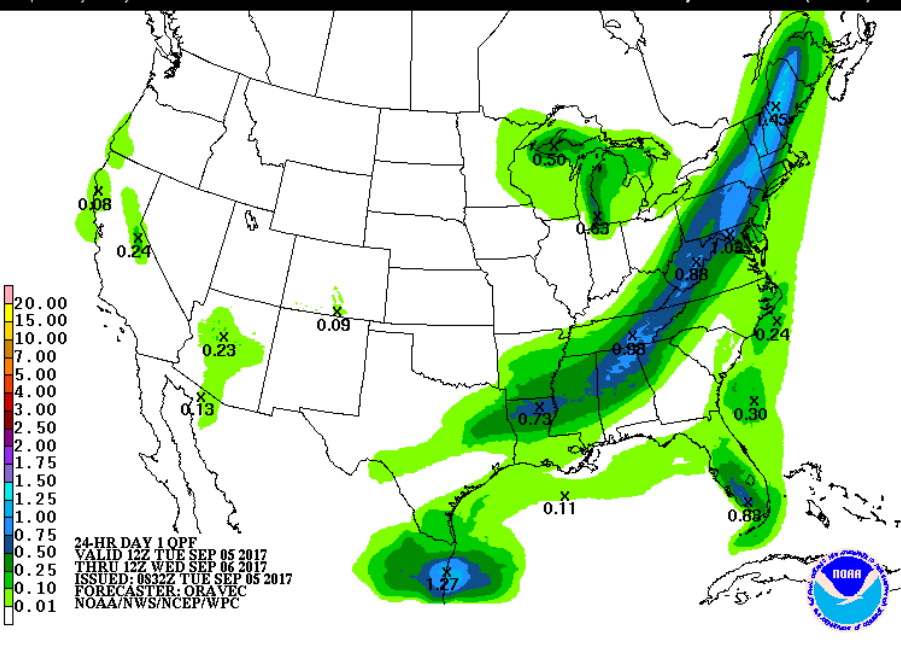
# Today's Weather



Day 1 National Forecast Chart

Valid Tue, Sep 05, 2017, issued 4:40 AM EDT  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by McCreynolds with WPC/SPC/NHC forecasts

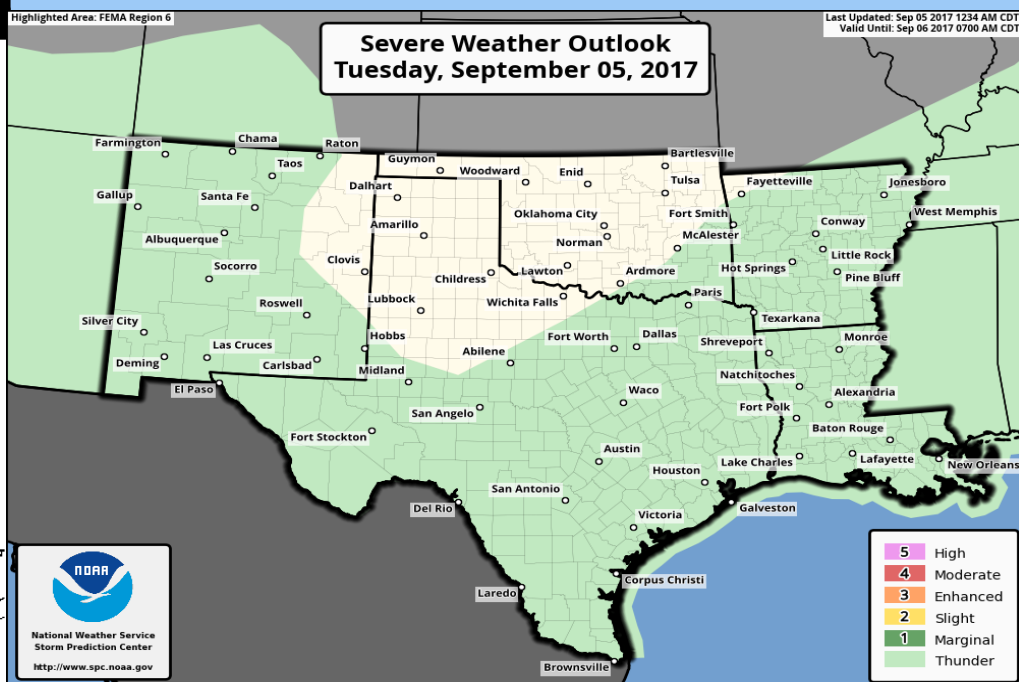
Rain  
 Rain and T'Storms  
 Rain and Snow  
 Snow  
 Flash Flooding Possible (hatched)  
 Severe T'Storms Possible (hatched)  
 Freezing Rain Possible (hatched)  
 Heavy Snow Possible (hatched)



24-HR DAY 1 OPI  
 VALID 12Z TUE SEP 05 2017  
 THRU 12Z WED SEP 06 2017  
 ISSUED: 0832Z TUE SEP 05 2017  
 FORECASTER: ORA/VEG  
 NOAA/NWS/NCEP/WPC

Major flooding continues across SE TX & SW LA.

Showers/thunderstorms are possible along a cold front across portions of N-Central TX, AR & LA. Severe weather and/or heavy rainfall is generally not expected although some isolated heavy rain is possible over NE TX, N LA and S AR.



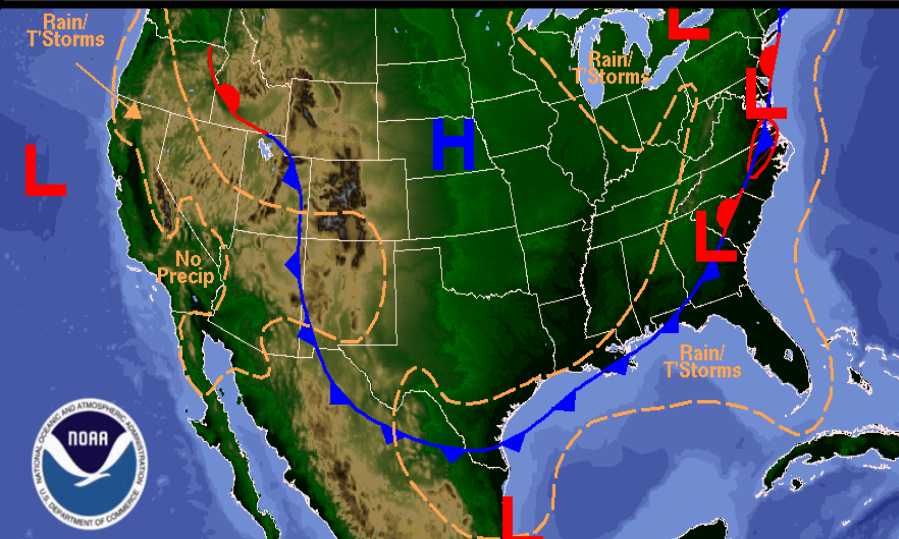
Severe Weather Outlook  
 Tuesday, September 05, 2017

Last Updated: Sep 05 2017 1234 AM CDT  
 Valid Until: Sep 06 2017 0700 AM CDT

NOAA  
 National Weather Service  
 Storm Prediction Center  
<http://www.spc.noaa.gov>



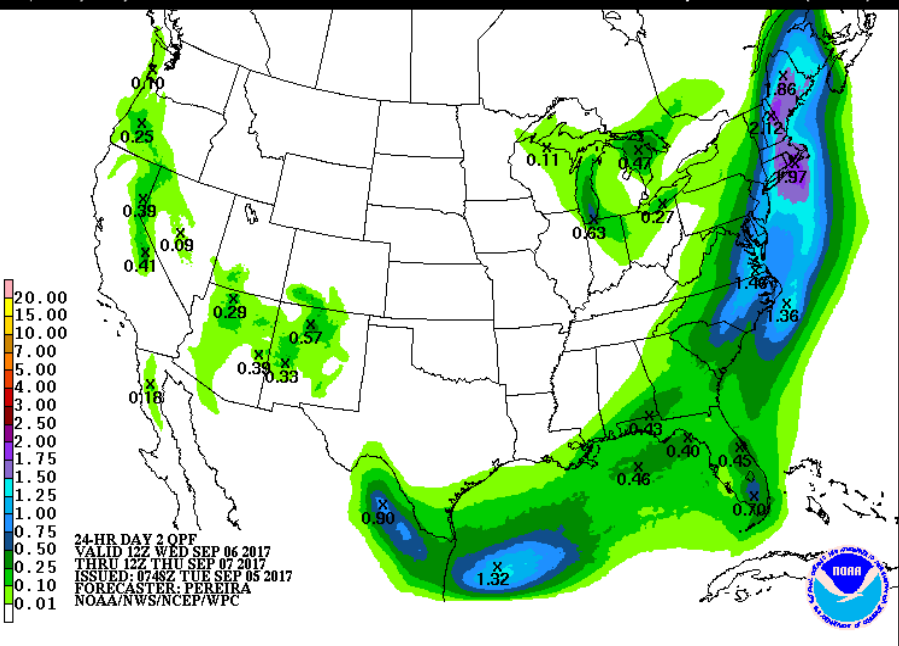
# Tomorrow's Weather



Day 2 National Forecast Chart

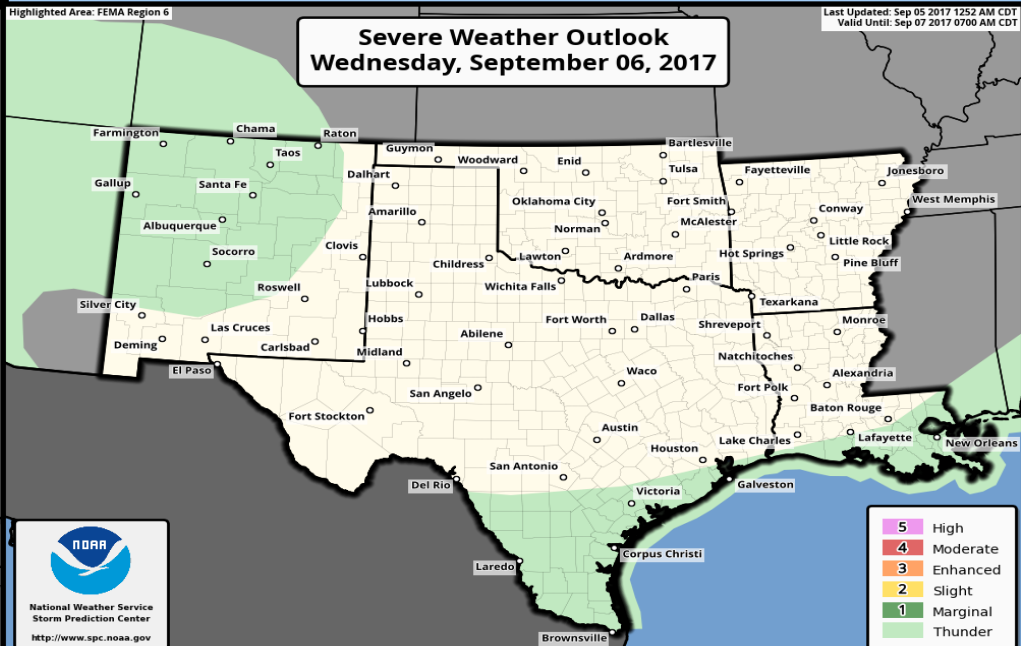
Valid Wed, Sep 06, 2017, issued 4:43 AM EDT Tue, Sep 05, 2017  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by McCreynolds with WPC/SPC/NHC forecasts

Rain  
 Rain and T'Storms  
 Rain and Snow  
 Snow  
 Flash Flooding Possible (hatched)  
 Severe T'Storms Possible (hatched)  
 Freezing Rain Possible (hatched)  
 Heavy Snow Possible (hatched)



24-HR DAY 2 QPF  
 VALID 12Z WED SEP 06 2017  
 THRU 12Z THU SEP 07 2017  
 ISSUED: 0748Z TUE SEP 05 2017  
 FORECASTER: PEREIRA  
 NOAA/NWS/NCEP/WPC

Major flooding continues across SE TX & SW LA.



Severe Weather Outlook  
 Wednesday, September 06, 2017

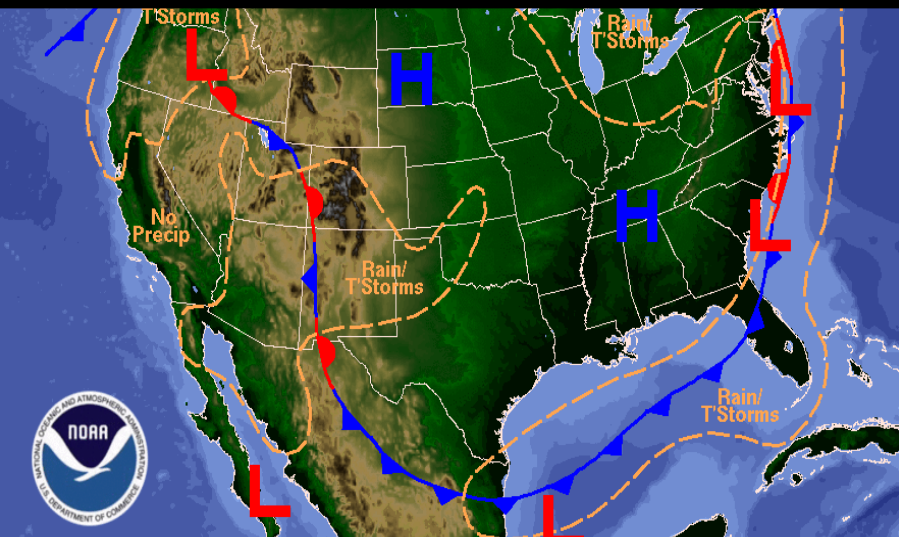
Last Updated: Sep 05 2017 1252 AM CDT  
 Valid Until: Sep 07 2017 0700 AM CDT

NOAA  
 National Weather Service  
 Storm Prediction Center  
<http://www.spc.noaa.gov>

5 High  
 4 Moderate  
 3 Enhanced  
 2 Slight  
 1 Marginal  
 Thunder



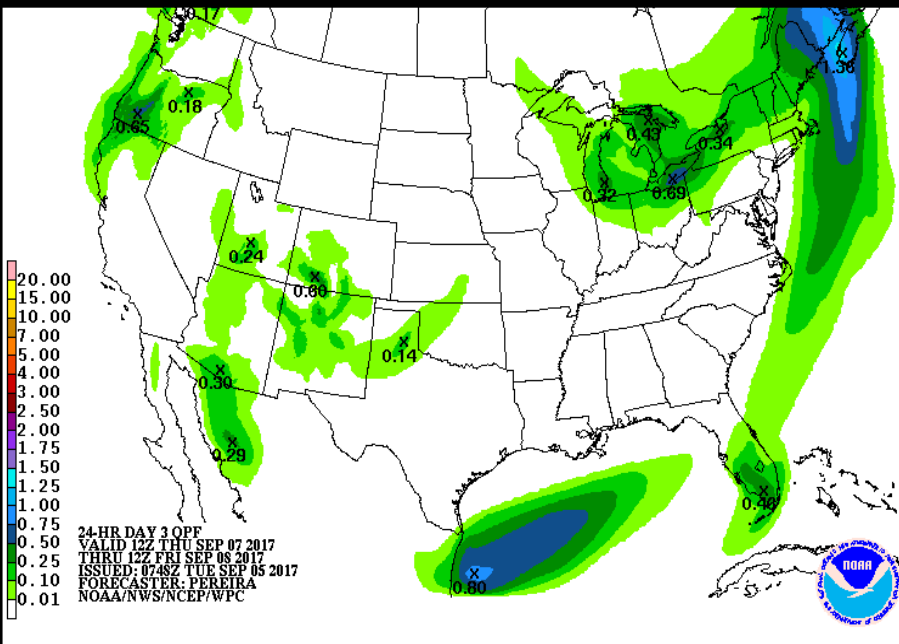
# Thursday's Weather



Day 3 National Forecast Chart

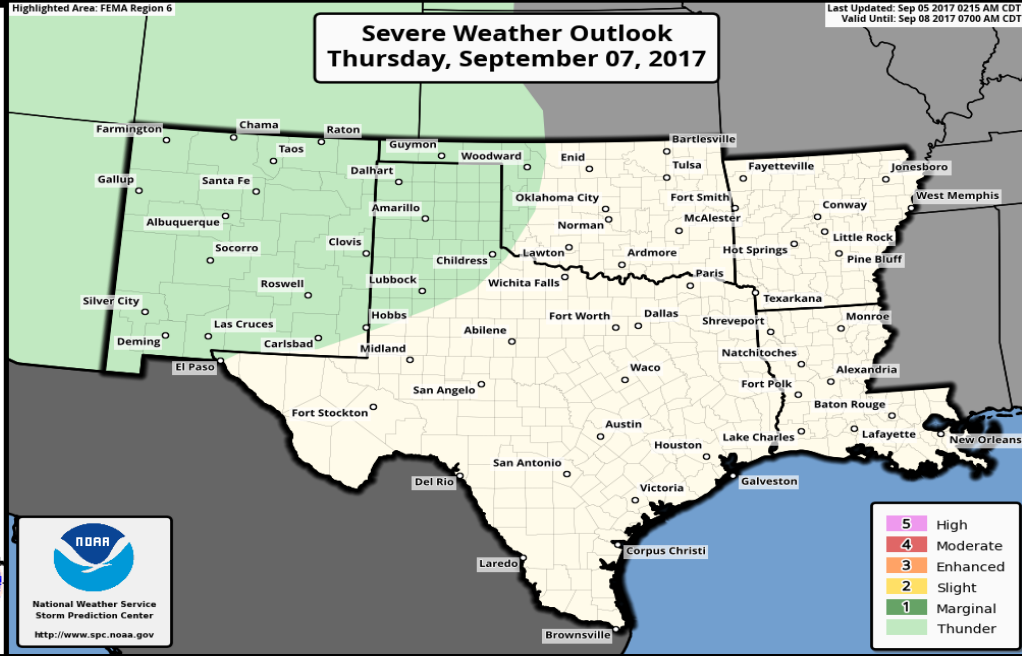
Valid Thu, Sep 07, 2017, issued 4:46 AM EDT Tue, Sep 05, 2017  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McReynolds with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)



24-HR DAY 3 QPF  
VALID 12Z THU SEP 07 2017  
THRU 12Z FRI SEP 08 2017  
ISSUED: 0748Z TUE SEP 05 2017  
FORECASTER: PEREIRA  
NOAA/NWS/NCEP/WPC

Major flooding continues across SE TX & SW LA.



Severe Weather Outlook  
Thursday, September 07, 2017

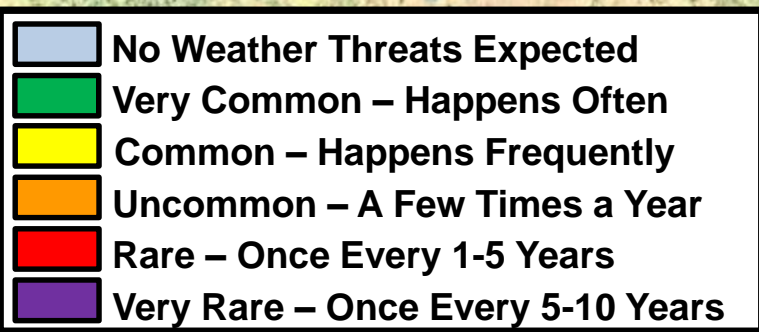
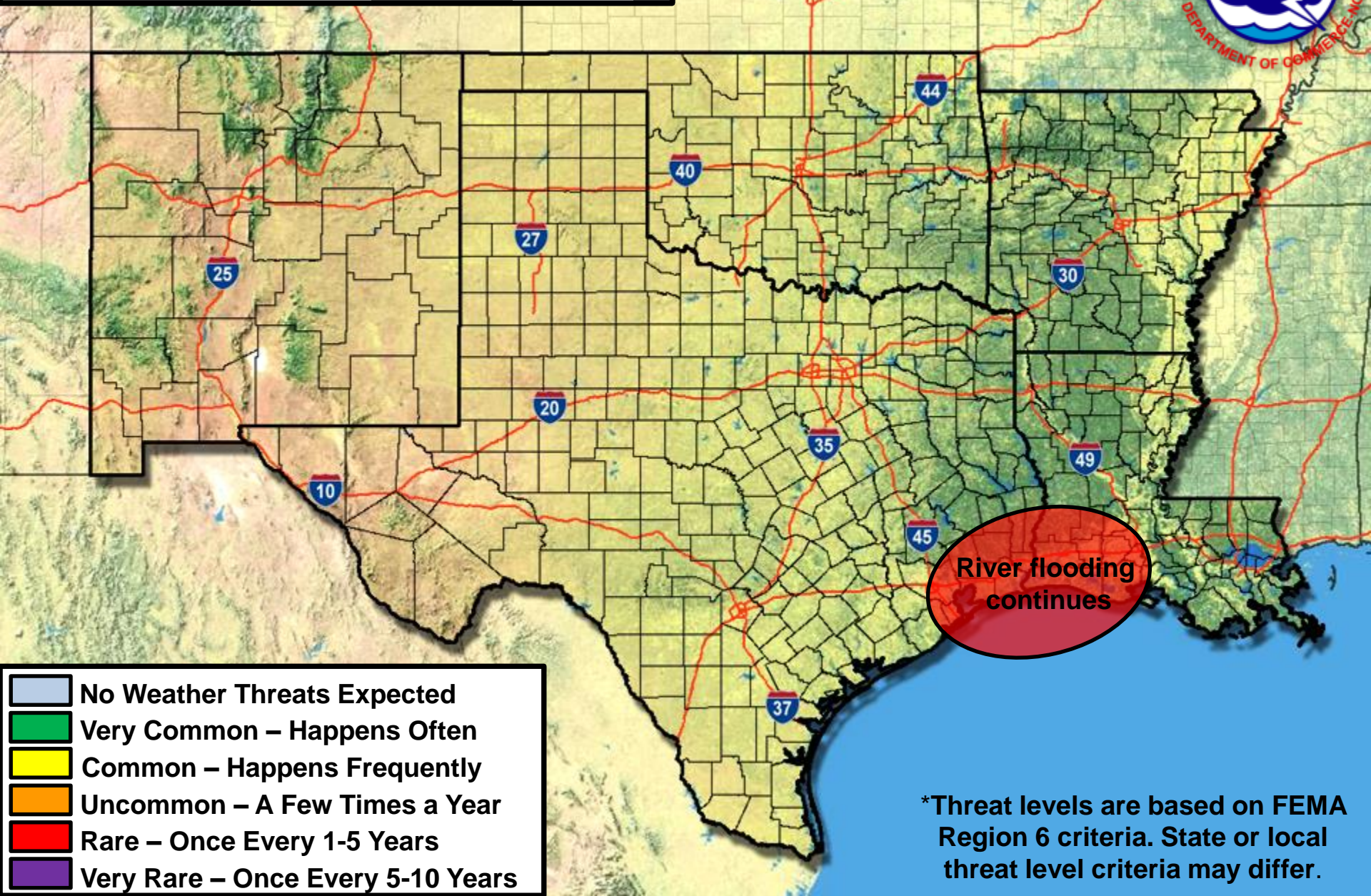
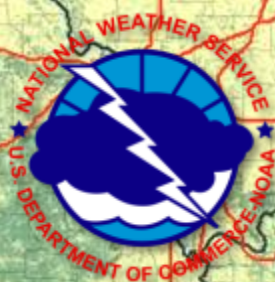
Last Updated: Sep 05 2017 0215 AM CDT  
Valid Until: Sep 08 2017 0700 AM CDT

NOAA  
National Weather Service  
Storm Prediction Center  
<http://www.spc.noaa.gov>



# Day 4-5 Weather Hazards

Valid: 0800 Fri - 0800 Sun

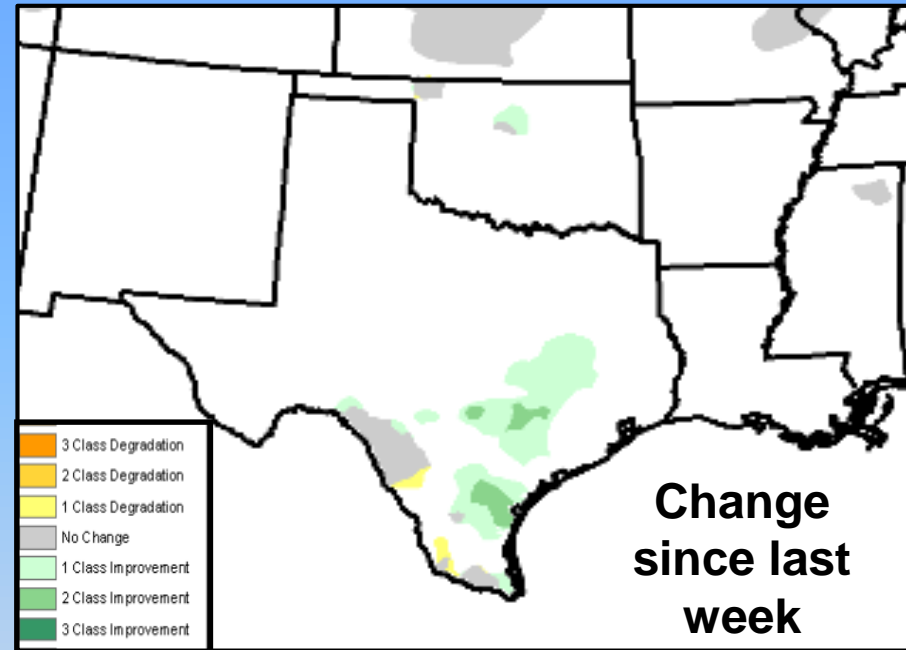
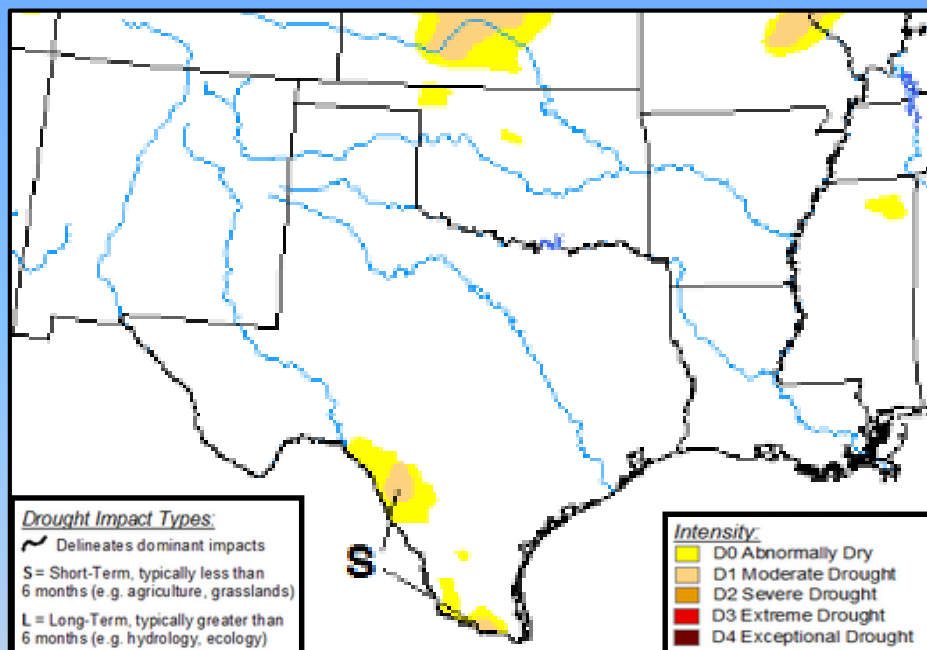


\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.



# Drought Monitor Released 31 August, 2017

Data valid as of 7am CDT, Tuesday, August 29, 2017

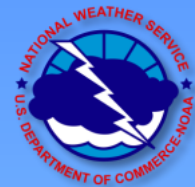


## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	0.00%
Arkansas	0.00%	0.00%	0.00%	0.00%
Texas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	0.00%	0.00%



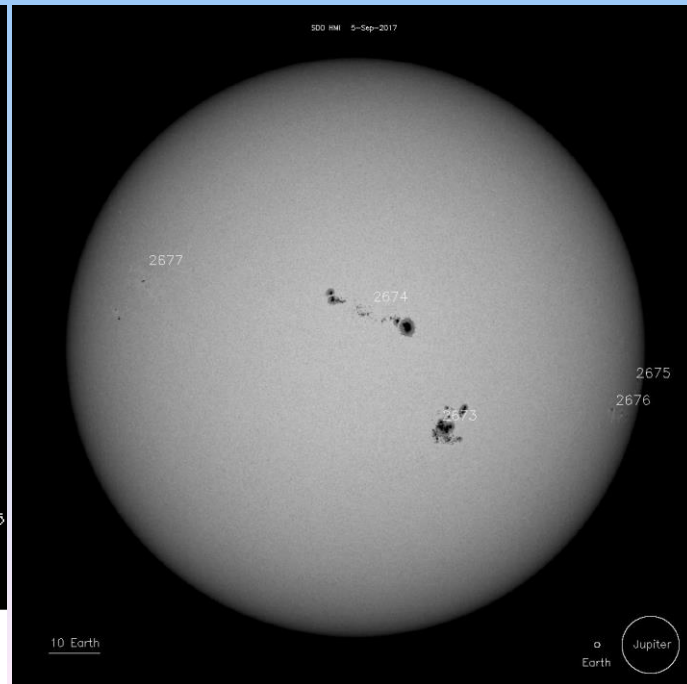
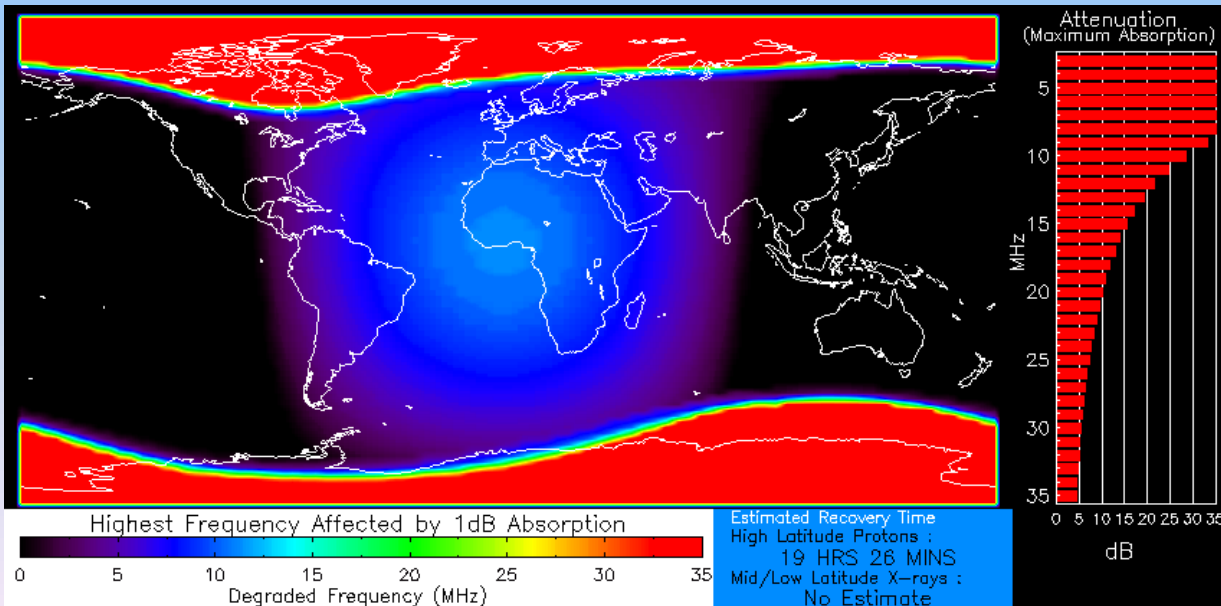
# Space Weather 3-Day Forecast



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	10%	10%	10%
Radio Blackout (R1-R2)	71%	71%	71%
Radio Blackout (R3-R5)	25%	25%	25%



Normal X-ray Background  
 Product Valid At : 2017-09-05 12:08 UTC

Minor Proton Flux  
 NOAA/SWPC Boulder, CO USA

Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (682) 703-3747 **\*New Direct Number**  
E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)  
Web: <http://www.weather.gov/srh> (**NEW link!!**)

**facebook**

<https://www.facebook.com/NWSSouthern>

**twitter**

@NWS\_Southern\_US [https://twitter.com/NWS\\_Southern\\_US](https://twitter.com/NWS_Southern_US)

# The criteria for the color codes in our briefings is below, please provide any feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>